CONT
#7

wherein said second packet network comprises a control network for said switched network.

REMARKS

The preliminary amendment is being filed to incorporate the preliminary amendments as filed in parent application Serial No. 08/931,985. Entry of this preliminary amendment is respectfully requested.

Respectfully submitted,

Dated: February 12, 2003 By: _____

Glenn E. Forbis, Esq.
Reg. No. 40,610

Customer No. 010291

Rader, Fishman & Grauer PLLC
39533 Woodward Avenue, Suite 140
Bloomfield Hills, Michigan 48304
Telephone No. (248) 594-0636

MARKED-UP COPY OF THE SPECIFICATION

On page 35 and ending on page 36, the first full paragraph has been amended as follows:

The functional architecture of one embodiment of an Internet module which may be utilized in this arrangement is shown diagrammatically in Figure 3. The Internet Module includes a gateway router 310 of the type now generally used in Internet practice, such as shown in Figure 1 and described in related application Serial No. 08/634,544, referenced above. An interface with processing capability is illustratively shown at ~~312~~ 112. Connected to the router are a Domain Name Service (DNS) server ~~314~~ 114 and a Dynamic Host Configuration Protocol (DHCP) server ~~316~~ 116 of the type conventionally used by Internet Service Providers in existing Internet Service. It will be understood that while the DNS and DHCP are here shown as elements of the Internet module they may constitute a DNS and a DHCP connected to the Internet. The router interface is connected to the central office and to the CCIS network while the router is connected to the Internet.

On page 36, the first full paragraph has been amended as follows:

Figure 4 is a block diagram that represents the functionality of the processor interface ~~312~~ 112 and the router ~~310~~ 110. The processor contains a common Generic Data Interface (GDI) ~~320~~ 120 for communicating signaling messages with the ISCP over the common channel signaling network. Data communication by the gateway router of both signaling and information content through the Internet (or other equivalent packet network) occurs through TCP/IP protocol ~~324~~ 124, packets being transmitted and

received through physical transport layer ~~326~~ 126. The physical transport layer may comprise Asynchronous Transfer Mode (ATM), frame relay or some other type of data communication mode.

On page 36 and ending on page 37, the second full paragraph has been amended as follows:

While message and signaling communication with the common channel signaling network occurs through the GDI, communication of voice data is made through the Channel Serving Unit, Digital Serving Unit (CSU/DSU) 328. This unit, which may physically comprise a digital line card in the processor with standard 24 digital voice line inputs, packetizes voice data received from the telephone central office. The CSU/DSU coordinates with route determination unit ~~330~~ 130 to identify packets, termination phone numbers and routes to the network termination gateway router. The route determination information is included in each packet for the data received from the originating central office SSP. The packetized ~~332~~ 132, before being sent to the TCP/IP stack and physical transport layer for transmission to the far end gateway router. To complete transmission to the destination telephone, the termination router decompresses the received packets, depacketizes back to voice data which is then routed to the destination PSTN. Two way capability for each of the functions is provided for communication in both directions. While shown for illustrative purposes as separate blocks, the route determination and compression/decompression functions, as well as the quality test application, may be run, for example, by a UNIX-based computer.

On page 51 and ending on page 52, the first full paragraph has been amended as follows:

The monitors include processors and temporary storage, as indicated by way of example at 626, connected to the monitor M 628 in Figure 5. It will be understood that each of the remaining monitors M includes a similar processor and storage. Each of the monitors in a cluster for an STP is connected to a monitor controller 630. The controller 630 includes a processor and storage and may be provided with a terminal 632. The monitors and processors may be of the type described in U.S. Patent No. ~~5,478,732~~ 5,475,732, issued December 12 1995, to Eugene M. Pester III, and assigned to the assignee of the instant application. That patent is incorporated by reference wherein in its entirety.

MARKED-UP COPY OF THE CLAIMS

1. (Amended) A method of voice communication between two terminals including the steps of:

establishing a voice communication link between said terminals via a first landline public packet switched network;

~~communicating by~~ carrying voice information between said terminals over said link;

monitoring ~~a parameter of said~~ quality of service of communication in said public packet switched network;

establishing a second voice communication link between said terminals via a second landline packet switched network when said monitored ~~parameter~~ quality of service departs from a predetermined value.

3. (Amended) A method according to claim 1 wherein said establishment of said second voice communication link occurs automatically ~~responsive to said parameter departing from said predetermined value in excess of a predetermined limit~~ in response to the monitored quality of service falling below a predetermined threshold.

9. (Amended) A method ~~according to claim 6~~ of voice communication between two terminals including the steps of:

establishing a voice communication link between said terminals via a first packet network;

communicating by voice between said terminals over said link;

monitoring a parameter of said communication; and

establishing a second voice communication link between said terminals via a second packet network when said monitored parameter departs from a predetermined value;

wherein said terminals are connected to said first and second voice communication links via a switched network and

wherein said second packet network comprises a control network for said switched network.